QC4- 100% Inspect kits for completeness

Memo

#### Work Order ID 58447

May 7, 2010: 10:07:29 AM

110

Quality Control



Page 1

Insp.

Stamp

Item ID: D412-702-343 Accept Setup Start **Revision ID:** Stop Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point Start Date: 07/05/2010 Start Qty: 1.00 **Cust Item ID: Required Date:** 14/05/2010 Req'd Qty: 1.00 **Customer:** Reference: Run Start Date://5-5-/ Approvals: Process Plan: **Tooling:** Date: Stop Date: QC: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ **Draw** Draw Plan Reject Reject Accept **Work Center ID** Description **Run Hours** Number Rev. Code Qty Qty Number **Draw Nbr Revision Nbr** DSI9511 Α 100 0.00 DOCUMENT CONTROL 0.00 Document Control Photocopy bluefile & type labels per PPP D412-702-343 CHG001 105 Pick Kit 0.00 Packaging 0.00 Memo Packaging

0.00

## Work Order ID 58447

May 7, 2010 10:07:29 AM

**Required Date:** 14/05/2010



Page 2

Item ID:

D412-702-343

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

5-Man Fwd Facing Shoulder Harness, 3 point

**Start Date:** 

07/05/2010

Start Qty: 1.00

Req'd Qty: 1.00

**Cust Item ID:** 

**Customer:** 

Draw

Reference: **Approvals:** 

Process Plan: Date: Tooling:

Date:

Run Start

Date: \_\_\_\_\_ SPC (Y/N):

Date:

Stop

Sequence ID/ **Work Center ID** 

120

Packaging

Packaging

**Operation** Description

Set Up/ **Run Hours** 

0.00

Number

Draw Plan Rev. Code Accept **Qty** 

Reject Otv

Reject Insp. Number Stamp

Packaging

0.00

Identify and pack for shipping as per PPP D412-702-343

PPP Rev:

130

Quality Control

1.2

QC21- Final Inspection - Work Order Release

0.00

Memo

Memo

0.00

--- 10/05/17. U WDS. (7

May 7, 2010 10:07:33 AM

Work Order ID: 58447

Parent Item: D412-702-343

/02-343

Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

**Required Date:** 14/05/2010

Start Qty: 1.00

Required Qty: 1.00

	Comment								2	Start Qty: 1.0	10	Required Qty:	1.00
,	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
5	D412-702-301		Manufactured	No			105	Each	0.0000		B58	345210	0.5-MS/
5	D412-702-303  Harness Assembly		Manufactured	No			105	Each	0.0000	1 	2584	54 ,0	-5-175)
	D412-702-305		Manufactured	No			105	Each	0.0000	1 	BS&Y	49 10-5	-,750
5	D412-702-307  Harness Assembly	( 	Manufactured	No			105	Each	0.0000		2	<b>453</b>	19-
5	D412-702-309  Harness Assembly	############# */	Manufactured	No			105	Each	0.0000			455	100 S
5	D412-702-059   *   Grommet H 700	IIXI IIXI IIXIII BRIBI BIIIX (BU (BB)	Manufactured	No	1		105	Each	11.0000	1	10-5-	MSP	103
					<u>Location</u> FG122	6 <u>7</u> 0		<b>y</b> 11 10	Loc Code	_			
5	D3761-1-041 TOOK & LOOP STRIP	18   18   18   18   18   18   18   18	Manufactured	No	57	2202		1 Each	3.0000	5 /-	/0-5-/	48	
	i .				Location ST245	662)		2 <u>]</u> 3 3	Loc Code	<i>→</i>			
	الإ السويا	t	,					3		5	<b>y</b>		

11

May 7, 2010 10:07:33 AM

Work Order ID: 58447

Parent Item:

D412-702-343

Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Comments:

D3571-3

Guide

D3578-041

Doubler

IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

**Required Date:** 14/05/2010

Start Otru 1 00

Loc Code

17.0000

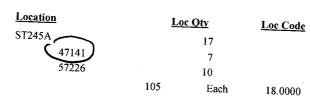
110.0000

	Component Item ID/	Replacement	Mfg/	Bin	Primary	Lost				Start Qty: 1.00		Required Qty: 1	.00
یہ ابر	D3542-1 1 + 2	Item ID		Item	Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
	Bracket		Manufactured	No			105	Each	13.0000	2	10-5-	148	
					<u>Location</u>		Loc O	lfs:				<i>'</i> .	

			ST245	<del></del>
D3571-1 3 3	Manufactured	No	32606 47140 51309	105

Manufactured

Manufactured



Loc Oty

13 2

Each

Location	Loc Oty	Loc Code
ST245A	18	
57227	8	



Location	Loc Oty	Loc Code
ST244A	110	
51640	2	
52071	108	

May 7, 2010 10:07:33 AM

Shop Packet Print

Page 2

May 7, 2010 10:07:33 AM

Page 3

Work Order ID: 58447

Parent Item:

D412-702-343

Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Comments:

IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

Required Date: 14/05/2010

Stant Otrus 1 00

	Component Item ID/	Replacement	Mfg/	Bin	Primary	Lost				Start Qty: 1.00	_	Required Qty: 1	1.00
	D3610-041 +2	Item ID	Purch	Item	•	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
_	Bracket	i Birbi ilbi ibbi	Manufactured	No			105	Each	15.0000	2	0-5-/0	1 3	

105

Loc Qty

D3618-1 1 - 2

Manufactured

Location ST244A

Loc Oty Loc Code 15 15 Each 84.0000

AN4-10A Bolt

Purchased No Location ST244A

Loc Code 84 84 105 Each 155.0000

Loc Code

94.0000

Bolt

Purchased No Location Loc Oty ST356 155 111425 50 100 105 Each

Location ST360

Loc Oty Loc Code 94 94

May 7, 2010 10:07:33 AM

Work Order ID: 58447

Component Item ID/

D412-702-343

Primary

Location

Parent Item:

Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Comments:

Item Name

Screw

IPP Rev:A new issue DD 10.04.30 verified:EC

Purch

Bin

Item

No

No

Start Date: 07/05/2010

Required Date: 14/05/2010

Issued

Page 4

Start Qty: 1.00

Required Qty: 1.00 Qty on Qty per Kit Qty Date Status

72 MS24693-S274

Purchased

Item ID

Loc Qty

Route

Seq ID

105

105

10-5-14 Sl

MS24694-S56 →3 **SCREW** 

Purchased

Replacement Mfg/

Location ST288 08560

Last

Location

20 20 Each 131.0000

Unit of

Each

Measure

10-5-14

Issued

Location

Loc Qty 131 10440 131 105

Loc Code

Hand

20.0000

Loc Code

MS24694-S58 Screw

Purchased No Each 144.0000

MS24694-S60<sup>17</sup> Screw

Purchased No

Purchased

Location ST289A 04407

Loc Oty Loc Code 144 144 105 Each

123.0000

16-5-14

No

Location ST289A 104407

Loc Oty Loc Code 123 123 105 Each 0.0000

Washer

11/4576 10-5-14.

May 7, 2010 10:07:33 AM

Page 5

Work Order ID: 58447

Parent Item:

D412-702-343

Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

**Start Date:** 07/05/2010

**Required Date:** 14/05/2010

	Comments:	IPP Rev:A new issu	ie DD 10.04.30	verified	l:EC				s	Start Qty: 1.00		Required Qty: 1	
	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
6	AN960JD416L 64 Washer		Purchased	No			105	Each	465.0000	4 /	b-5- 1	Peri	
5	MS21042L4	8 (14 18 18 18 18 18 18 18 18 18 18 18 18 18	Purchased	No	Location ST346	110153	Loc (	Oty 465 465 Each	<b>Loc Code</b> 2,456.000	1 ( <b>5 0</b> ) ( 1 <b>1 1 1</b>	0-5-7	4 51)	
ζ	CR3212-4-4 +12 Cherry Rivet		Purchased	No	ST463	111827 113422 114523 9063 114416	1	2 2 2 2098 96 1994 8 356 356 Each	<b>Loc Code</b> 88.0000	12	6-3-14	S.P.	
	***				Location ST311	111359	<u>Loc (</u>	<u>Dtv</u> 88 88	Loc Code	_	19-		

#### TABLE 2



(3 <b>7</b> *)	MIX.	777Y -345	QTY -347	QTY -349	QTY -351	Part Number	Description
Х						D412-702-341	Dart 13-Man 3-Point Shoulder Harness Kit
	Х					D412-702-343	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
	1	X				D412-702-345	Dart 4-Man 3-Point Aft Facing Shoulder Harnese Kit
companying or combined the decided of			Х			D412-702-347	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
				Х		D412-702-349	Dart 1-Man 3-Point Forward Shoulder Harness Kit
and standard and particular			· · · · · · · · · · · · · · · · · · ·		X	D412-702-351	Dart 1-Man 3-Point Shoulder Harness KR
	A COMMISSION OF THE PARTY OF TH	e a specification is commented to the	1	1		D412-702-059	GROMMET KIT
9	15		4	1	1	D3761-1-041	HOOK AND LOOP STRIP (DSI 9408)
2		PROPERTY BARRONS	1			D412-702-301	'HARNESS ASSEMBLY (NEW)
4 12			1*			D3573-7	ADAPTER
1 2	tara sana		1*			D4088-041	SHOULDER HARNESS (NEW)
4.+	4"		4*			MS24693S272	SCREW
2	- 2"		4*			AN960JD10LL	WASHER
4.			4*			MS21042L3	NUT
2	1		1			D412-702-303	HARNESS ASSEMBLY (NEW)
1.	++++		1*			D3573-8	ADAPTER
1			1*			D4088-041	SHOULDER HARNESS (NEW)
reis endocumentum est tr	al) i	1	4*			MS24693S272	SCREW
41	4"		4*			AN960JD10LL	WASHER
	110		4*			MS21042L3	NUT
							The state of the s
				1		D412-702-305	HARNESS ASSEMBLY (NEW)
4*				1*		D3573-1	ADAPTER
				1*		D4088-041	SHOULDER HARNESS (NEW)
i	J			4*		MS24693S273	SCREW
g#.	15	J		4*		AN960JD10LL	WASHER
4 *				4*		MS21042L3	NUT
and the same of	. in watermark					D412-702-307	HADNEGO ACCIPTATO DE ABONEE.
		<u></u>			1		HARNESS ASSEMBLY (NEW)
l e Maria Maria aminintensi 1 di	Na sama dagan manafa				1*	D3573-3	ADAPTER
	a committee and				1*	D4088-041	SHOULDER HARNESS (NEW)
					4*	MS24693S272	SCREW
	April 1				4*	AN960JD10LL	WASHER
4.	4				4*	MS21042L3	NUT
4	يونسيسون والم	<u>-</u>				D412-702-309	HARNESS ASSEMBLY (NEW)
ni nanani meneng		+				D3573-3	ADAPTER
						D4088-041	SHOULDER HARNESS (NEW)
	4					MS24693S272	SCREW
- (*						AN960JD10LL	WASHER
4							
Sib." Cranton was service	Carus en la participa		***************************************			MS21042L3	NUT

\* denotes that part is included in assembly above

CANADA
DEFARTMENT OF TRANSPORT
AGGRAFT GER OFICATION
EXAMENT 8AO#01-0401

87: 17:1 (DE #02)

DATE: 19.03.22 CE43 '99 SEC47 ISSUE 643 8

continued next page...

DESIGN	97	DART ALROSPA	CELTD
DRAWN	a?	HAWKESBURY, ONTARIO,	
CHECKED	<u></u>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9511	SHEET 3 OF 6
APPROVED	NO.	TITLE	SCALE
DE APPR.	#	NEW SHOULDER HARNESS I	KITS NTS
DATE 10.0	3.18	COPYRIGHT @ 2018 MY DAR'T AERG THIS DOCUMENT IS PRIVATE AND SOME DETERMINED ON THE WARD IS SUPPLIED ON THE TO BE USED FOR ANY 2L REGGE OF THE OFFICE AND IS COMMUNICATED.	THE EXPRESS CONDITION THAT IT IS

# **Dart Aerospace Ltd**

W/O:				W	ORK ORDER CHANG	iES					
DATE	STEP		PR	OCEDURE CH	ANGE	Ву	,	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	<u> </u>										
								•			
		3									-
Part No	:		PAR #:	Fault Cate	egory:	NCR: Y	es N	0 00	Δ.	Date:	
		esolution:	₽		on:						
NCR:					ER NON-CONFORM					<u>.</u>	
DATE	STEP	De	scription of NC	In:a: -1		ion B	0	Verific	cation	Approvai	Approval
			Section A	Initial Chief Eng	Action Description Chief Eng		n & ate	Secti	on C	Chief Eng	QC Inspector
											. :
											,
	-										

NOTE: Date & initial all entries

----

-341 -341	-74	017 -345	011Y -347	QTY -349	QTY -351	Part Number	Description
1		i				D412-702-311	HARNESS ASSEMBLY (NEW)
47		1 *				D3570-1	BRACKET
1.1		1*		- · · · · ·		D4088-043	SHOULDER HARNESS (NEW)
47		4"				MS24694S50	SCREW
4.		4"				AN960JD10L	WASHER
۷,		't.				MS21042L3	NUT
							and the particular of the first of the particular of the particula
	j Ter - cripoen nome quincil	1				D412-702-313	HARNESS ASSEMBLY (NEW)
						D3570-2	BRACKET
1		10				D4088-043	SHOULDER HARNESS (NEW)
*	إسان سنسا	4*				MS24694S50	SCREW
4* !		de f				AN960JD10L	WASHER
4		4"				MS21042L3	NUT
1		,	1			D412-702-315	HARNESS ASSEMBLY (NEW)
1+		j	1"			D3573-5	ADAPTER
1j fr	ì		12	1		D4088-041	SHOULDER HARNESS (NEW)
4"		,	4*			MS24693S272	SCREW
47			4*		Ì	AN960JD10LL	WASHER
			4*			MS21042L3	NUT
			71			D412-702-317	HARNESS ASSEMBLY (NEW)
	1		**			D3573-5	ADAPTER
Jan 1	are parties of		77-1			D4088-041	SHOULDER HARNIESS (NEW)
	To remove age.		4"		-	MS24693S272	SCREW
4	**************************************	. }	4"			AN960JD10LL	WASHER
4*	an in the second second		4*			MS21042L3	NUT
on harmonists.						D412-702-321	HARNESS ASSEMBLY (NEW)
						D3570-3	BRACKET
		1, 1		<u>-</u>		D4088-043	SHOULDER HARNESS (NEW)
	سلام اساد ماداد	4"				MS24694S50	BOLT
4*		4			<del></del>	AN960JD10L	WASHER
≐		42	-			MS21042L3	NUT
		1 )			<del></del>	D412-702-323	HARNESS ASSEMBLY (NEW)
	T.	90 }		1		D3570-4	BRACKET
e de la companya de l		- 1				D4088-043	SHOULDER HARNESS (NEW)
114		4"				MS24694S50	BOLT
200		4"				AN960JD10L	WASHER
417	- 1	40				MS21042L3	NUT

\* denotes that part is included in assembly above

continued next page...

- 1	management and property and the property of th
	CASTADE
I	DEPARTMENT OF TRANSPORT
	AIRCRAFT CERTIFICATION
į	BRANCH
i	DAO # 01-0-01
	A DE POLID AND CARDS.
ĺ	APPROVED (
Sec.	BY: MAN -1
1	ਹੁੰ, 8-75₹%-ਵਿੱ¦b (3€ # <mark>0</mark> 2)
į	DATE:IC.CO.@2
ĺ	CERT. NO.: SH04-7
	ISSUE NO:

DESIGN 9		J DART AEROSPAC	I TD				
DRAWN	97	HAWKESEURY, ONTARIO, CANADA					
CHECKED	A	DRAWING NO.	REV. A				
MFG. APPR.	N/A	DSI 9511	SHEET 4 OF 6				
APPROVED	140	TITLE	SCALE				
DE APPR.	#	NEW SHOULDER HARNESS KIT	S NTS				
<sup>DATE</sup> 10.0	3.18	COPYRIGHT © 2010 BY DART AEROSPACE LTD  THIS OCCUMENT IS PRIVATE AND COMPDENTIAL AND IS SUFFLIED ON THE EXPRESS CONDITION THAT IT IS  NOT TO BE USED FOR ANY INJECTION OF COST OF ON COMMANICATED TO AIM OTHER PERSON WITHOUT  WITH PERFORMS DY PROMIDING PERFORMS OF AEROSPACE LTD.					

**Dart Aerospace Ltd** W/O: **WORK ORDER CHANGES Approval Approval** DATE STEP **PROCEDURE CHANGE** By Qty Chief Eng / Prod Mgr Date QC Inspector Part No: \_\_\_\_\_\_ PAR #: \_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_ Date: \_\_\_ Resolution: Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_ Date: \_\_\_\_ **WORK ORDER NON-CONFORMANCE (NCR)** NCR: **Corrective Action** Section B Description of NC Verification **Approval Approval** DATE STEP Initial **Action Description** Sign & Section A Section C Chief Eng QC Inspector Chief Eng Date Chief Eng

NOTE: Date & initial all entrie

0

## ... continued from previous page

3TY \$44.	QTY G43	GTV -345	QTY -347	QTY -349	QTY -351	Part Number	Description
. 2	2					D3542-1	BRACKET
	3		4	1		D3571-1	GUIDE
2:						D3571-3	GUIDE
2		2				D3572-041	GUIDE ASSEMBLY
12	6		6	2		D3578-041	DOUBLER
2	7					D3610-041 .	BRACKET
						D3618-1 /	CAP
4	أسين					AN4-10A /	BOLT
2		2			]	AN4-16A	BOLT
4		4				AN4-25A	BOLT
4		4				AN4-27A .	BOLT (DSI 9469)
2	12					AN4-44A '	BOLT
2	:4.1					MS24693S274	SCREW
3	3;			1		MS24694S56 /	SCREW
10	<u> </u>		8			MS24694S58 '	SCREW
				1		MS24694S60 #	SCREW
<u>26  </u>	- 19 i	20				AN960JD416	WASHER
4-1	4				[	AN960JD416L ,	WASHER
12	-£	_6				MS21042L4	NUT
24	* 1	<b>WY</b> TETERALI.	12	4		CR3212-4-4	RIVET

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT DISKTIFICATION	ı
DRAN OH	
DAQ # 01-0-01	
BY: APPROVED D. SHEPHEPT, DE # 02)	
DATE: 18-0-22 CERT, NO: 18-6-7 ISSUE NO:	THE STATE OF STATE OF

DESIGN	97	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA					
DRAWN	97						
CHECKED	A	DRAWING NO.	REV. A				
MFG. APPR.	N/A	DSI 9511	SHEET 5 OF 6				
APPROVED	10	TITLE	SCALE				
DE APPR.	-##	NEW SHOULDER HARNESS KITS					
DATE 10.0	3.18	COPYRIGHT 0.23 S BY DART AEROSPAC THIS DOCUMENT IS PRIVATE AND COMPINED AND IS SUPP. ES ON THE EXPRE NOT TO BE USED FOR ANY PURP GAS UP, TUPE GO BY COMMUNICATED TO ANY WEST ESTABLES, COMPANIED AND TO THE PURP.	SE CONSTIGNATION 22				

Dart Ae	rospace	e Ltd								_	* » *			
W/O:			WORK ORDER CHANGES											
DATE	STEP		PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspect						
·								33.314						
Part No:			PAR #:	Fault Cate	gory:	N	CR: Yes	No <b>DQ</b>	A:	Date: _				
	R	esolutio	n	Dispositio	n:	Q	A: N/C C	osed:		Date: _				
NCR:				WORK ORD	ER NON-CONF	ORMANO	E (NCF	R)						
DATE	0750	Description of NC	Description of NC	Corrective Action Section B			Verification			Approval	Anneous			
DATE	STEP		Section A	Initial Chief Eng	Action Desc Chief Eng		Sign & Date	Secti	on C	Chief Eng	Approva QC Inspecto			
						·.								

NOTE: Date & initial all entries